International Journal of Cosmetic Science **20**, 397 (1998)

Author index

Aikens, P.A., 355
Aldini, G., 203
Armengol, R., 223
Augustin, C., 159

Bader, S., 69, 217
Baillet, A., 183
Bandaranayake, W.M., 41
Bantignies, J-L., 381
Barton, S.P., 235
Basketter, D.A., 141
Benaiges, A., 223
Bernard, B.A., 151
Betes, C., 223
Biltz, H., 79
Bizot-Foulon, V., 343
Bombardelli, E., 203
Bonina, F., 331
Boyera, N., 151
Brain, K.R., 307
Brandolini, V., 69
Buisson, N., 343

Calloni, M.T., 203
Carini, M., 203
Carr, G.L., 381
Chalker, B.E., 41
Chapman, J.S., 31

Damour, O., 159
Dawson, L.C., 235
Dederen, J.C., 331
Deiana, L., 127
Diehl, M.A., 31
Diffey, B.L., 235
Doucet, O., 283
Dunlap, W.C., 1, 41
Dykes, P., 53

El Samahy, M.H., 269

Fearnside, K.B., 31
Fernandez, C., 19
Ferrero, L., 283
Ferrier, D., 183
Förster, A.H., 317
Frei, V., 159
Friberg, S.E., 355
Fuchs, G., 381
Fukasawa, J., 87

Galey, I., 151
Garcia, N., 283
Genet, V., 103
Genova, C., 127
Ghoz, M.M., 269
Gilard, V., 117
Gironés, E., 223
Gournay, A., 117
Grossiord, J.L., 183
Guarneri, M., 69, 217

Herrington, T.M., 317
Hornebeck, W., 343
Hu, G., 175
Huc, A., 159

Inoue, M., 1
Iwai, H., 87

Kashiba-Iwatsuki, M., 1
Kon, R., 369

Laget, J.P., 19
Laugel, C., 183
Lintner, K., 103
Lo Cascio, R., 331
Lutz, D., 381

Maffei Facino, R., 203
Maillols, H., 19
Malet-Martino, M., 117
Marcet, P., 223
Marti-Mestres, G., 19
Martino, R., 117
Marty, J.P., 183
Marull, S., 381
Masiello, S., 217
Menziani, E., 69
Mercelot, V., 241
Montesion, F., 127
Morazzoni, P., 203
Morris, H.C., 63

Nakamura, A., 369
Navarro, R., 117
Nissen, H.P., 79

Orly, I., 159

Perrier, E., 159
Piérard, G.E., 251

Ramzy, N., 269
Rapisarda, P., 331
Riviere, M., 117
Rousset, G., 343

Saija, A., 331
Stevens, C., 297
Stokes, R.P., 235
Suter, F., 79
Suzuki, T., 87

Takeuchi, K., 369
Tomaino, A., 331
Tomita, K., 1

Vojnovic, D., 217

Walters, K.A., 307
Wang, X., 175
Watkinson, A.C., 307
Williams, G.P., 381
Wu Won, J.J., 41

Yamaguchi, M., 1
Yamamoto, Y., 1
Yin, Qi, 355

Zanotti, F., 69, 217
Zastrow, L., 283
Zatta, A., 127
Zülli, F., 79

0142–5463 © 1998 *International Journal of Cosmetic Science*

International Journal of Cosmetic Science **20**, 398–400 (1998)

Subject index

Ageing: elasticity; sunbed; tensile properties; ultraviolet-A; 251
Alkyl lactate: interfacial tension; pseudo-plastic behaviour; rheological improver; skin compatibility; storage stability; 127
All-*trans* retinoic fluids: collagenase; fibroblasts; tissue inhibitor of metalloproteinase-1; wheat ceramides; 343
Anti-ageing treatment: dermal and skin equivalent models; extracellular matrix synthesis; fibroblasts and keratinocytes; peptide; 159
Antioxidant activity: human skin; radical scavengers; red orange extract; UVB erythema; 331
Ascorbic acid: cosmetic matrices; capillary electrophoresis; 69
ATP bioluminescence: personal care products; microbiological quality assurance; 63

Biocide: tolerance; resistance; preservative; 31
Bound water: free water; human stratum corneum; hydration level; proton NMR spectroscopy; 117

Caffeine: microscopy; percutaneous absorption; rheology; W/O/W multiple emulsion; 283
Capillary electrophoresis: ascorbic acid; cosmetic matrices; 69
Ceramide: lamellar; liquid crystal; wrinkle; 87
Chemical peel: photodamaged skin; ultrastructural features; 269
Chinese herbs: sunscreen; ultraviolet; 175
CM-glucan: skin protection; UV-A; yeast polysaccharide; 79
Collagen cross-linking: lattice; normal human fibroblasts; vitamin C; 151
Collagenase: fibroblasts; tissue inhibitor of metalloproteinase-1; wheat ceramides; all-*trans* retinoic fluids; 343
Controlled release: multiple emulsion; percutaneous absorption; stability; triterpenic derivatives; 183
Coral: ultraviolet; sunscreens; marine science; Great Barrier Reef; 41
Cosmetic matrices: capillary electrophoresis; ascorbic acid; 69
Cosmetics: emulsion; rheology; 317
Cyclotetrasiloxane: environmental degradation; environmental effects; monitoring data; dimethicone; 297

Damaged hair: scale lift; split; 369
Dermal and skin equivalent models: extracellular matrix synthesis; fibroblasts and keratinocytes; peptide; anti-ageing treatment; 159
Detergents: fragrances; liquid crystals; solubility parameters; vapour pressures; 355
Differential scanning calorimetry: lipstick; 217
Dimethicone: cyclotetrasiloxane; environmental degradation; environmental effects; monitoring data; 297

Elasticity: sunbed; tensile properties; ultraviolet-A; ageing; 251
Elastin: human leukocyte elastase; plant complex; porcine pancreatic elastase; refirming effect; tannins; 223
Emulsion: rheology; cosmetics; 317
Environmental degradation: environmental effects; monitoring data; dimethicone; cyclotetrasiloxane; 297
Environmental effects: monitoring data; dimethicone; cyclotetrasiloxane; environmental degradation; 297
EPR spectroscopy: photo-oxidation; uric acid; sunscreens; microfine oxides; 1
ESR studies: photo-oxidation; polyunsaturated fatty acids; procyanidins; UVB damage; vitamin E saving-regeneration; 203
Evaluation: hair care; hydration; measurement; tensile strength; 241
Experimental designs: graphical methods; UV-filters; solubilization; 19
Extracellular matrix synthesis: fibroblasts and keratinocytes; peptide; anti-ageing treatment; dermal and skin equivalent models; 159

Fibroblasts: tissue inhibitor of metalloproteinase-1; wheat ceramides; all-*trans* retinoic fluids; collagenase; 343
Fibroblasts and keratinocytes: peptide; anti-ageing treatment; dermal and skin equivalent models; extracellular matrix synthesis; 159
Fragrances: liquid crystals; solubility parameters; vapour pressures; detergents; 355
Free water: human stratum corneum; hydration level; proton NMR spectroscopy; bound water; 117

Glycerylpolyacrylate gel: polyols; moisturizer; osmosis; physical preservation; 103
Graphical methods: UV-filters; solubilization; experimental designs; 19
Great Barrier Reef: coral; ultraviolet; sunscreens; marine science; 41

0142–5463 © 1998 *International Journal of Cosmetic Science*

Hair: infrared microspectroscopy; synchrotron radiation; 381
Hair care: hydration; measurement; tensile strength; evaluation; 241
Human epidermis: *in vivo* and *in vitro* assay; sunscreens; water resistance; 235
Human leukocyte elastase: plant complex; porcine pancreatic elastase; refirming effect; tannins; elastin; 223
Human skin: radical scavengers; red orange extract; UVB erythema; antioxidant activity; 331
Human stratum corneum: hydration level; proton NMR spectroscopy; bound water; free water; 117
Hydration: measurement; tensile strength; evaluation; hair care; 241
Hydration level: proton NMR spectroscopy; bound water; free water; human stratum corneum; 117

***In vitro* skin permeation:** nitrosamine; risk assessment; sunscreen; surfactant; 307
***In vivo* and *in vitro* assay:** sunscreens; water resistance; human epidermis; 235
Infrared microspectroscopy: synchrotron radiation; hair; 381
Interfacial tension: pseudo-plastic behaviour; rheological improver; skin compatibility; storage stability; alkyl lactate; 127
Irritant dermatitis: stratum corneum; sodium lauryl sulphate; soap chamber test; transepidermal water loss; surfactant; 53

Lamellar: liquid crystal; wrinkle; ceramide; 87
Lattice: normal human fibroblasts; vitamin C; collagen cross-linking; 151
Lipstick: differential scanning calorimetry; 217
Liquid crystal: wrinkle; ceramide; lamellar; 87
Liquid crystals: solubility parameters; vapour pressures; detergents; fragrances; 355
Local lymph node assay: risk assessment; skin sensitization; 141

Marine science: Great Barrier Reef; coral; ultraviolet; sunscreens; 41
Measurement: tensile strength; evaluation; hair care; hydration; 241
Microbiological quality assurance: ATP bioluminescence; personal care products; 63
Microfine oxides: EPR spectroscopy; photo-oxidation; uric acid; sunscreens; 1
Microscopy: percutaneous absorption; rheology; W/O/W multiple emulsion; caffeine; 283
Moisturizer: osmosis; physical preservation; glycerylpolyacrylate gel; polyols; 103
Monitoring data: dimethicone; cyclotetrasiloxane; environmental degradation; environmental effects; 297
Multiple emulsion: percutaneous absorption; stability; triterpenic derivatives; controlled release; 183

Nitrosamine: risk assessment; sunscreen; surfactant; *in vitro* skin permeation; 307
Normal human fibroblasts: vitamin C; collagen cross-linking; lattice; 151

Osmosis: physical preservation; glycerylpolyacrylate gel; polyols; moisturizer; 103

Peptide: anti-ageing treatment; dermal and skin equivalent models; extracellular matrix synthesis; fibroblasts and keratinocytes; 159
Percutaneous absorption: rheology; W/O/W multiple emulsion; caffeine; microscopy; 283
Percutaneous absorption: stability; triterpenic derivatives; controlled release; multiple emulsion; 183
Personal care products: microbiological quality assurance; ATP bioluminescence; 63
Photodamaged skin: ultrastructural features; chemical peel; 269
Photo-oxidation: polyunsaturated fatty acids; procyanidins; UVB damage; vitamin E saving-regeneration; ESR studies; 203
Photo-oxidation: uric acid; sunscreens; microfine oxides; EPR spectroscopy; 1
Physical preservation: glycerylpolyacrylate gel; polyols; moisturizer; osmosis; 103
Plant complex: porcine pancreatic elastase; refirming effect; tannins; elastin; human leukocyte elastase; 223
Polyols: moisturizer; osmosis; physical preservation; glycerylpolyacrylate gel; 103
Polyunsaturated fatty acids: procyanidins; UVB damage; vitamin E saving-regeneration; ESR studies; photo-oxidation; 203
Porcine pancreatic elastase: refirming effect; tannins; elastin; human leukocyte elastase; plant complex; 223
Preservative: biocide; tolerance; resistance; 31
Procyanidins: UVB damage; vitamin E saving-regeneration; ESR studies; photo-oxidation; polyunsaturated fatty acids; 203
Proton NMR spectroscopy: bound water; free water; human stratum corneum; hydration level; 117
Pseudo-plastic behaviour: rheological improver; skin compatibility; storage stability; alkyl lactate; interfacial tension; 127

Radical scavengers: red orange extract; UVB erythema; antioxidant activity; human skin; 331
Red orange extract: UVB erythema; antioxidant activity; human skin; radical scavengers; 331

Refirming effect: tannins; elastin; human leukocyte elastase; plant complex; porcine pancreatic elastase; 223
Resistance: preservative; biocide; tolerance; 31
Rheological improver: skin compatibility; storage stability; alkyl lactate; interfacial tension; pseudo-plastic behaviour; 127
Rheology: cosmetics; emulsion; 317
Rheology: W/O/W multiple emulsion; caffeine; microscopy; percutaneous absorption; 283
Risk assessment: skin sensitization; local lymph node assay; 141
Risk assessment: sunscreen; surfactant; *in vitro* skin permeation; nitrosamine; 307

Scale lift: split; damaged hair; 369
Skin compatibility: storage stability; alkyl lactate; interfacial tension; pseudo-plastic behaviour; rheological improver; 127
Skin protection: UV-A; yeast polysaccharide; CM-glucan; 79
Skin sensitization: local lymph node assay; risk assessment; 141
Soap chamber test: transepidermal water loss; surfactant; irritant dermatitis; stratum corneum; sodium lauryl sulphate; 53
Sodium lauryl sulphate: soap chamber test; transepidermal water loss; surfactant; irritant dermatitis; stratum corneum; 53
Solubility parameters: vapour pressures; detergents; fragrances; liquid crystals; 355
Solubilization: experimental designs; graphical methods; UV-filters; 19
Split: damaged hair; scale lift; 369
Stability: triterpenic derivatives; controlled release; multiple emulsion; percutaneous absorption; 183
Storage stability: alkyl lactate; interfacial tension; pseudo-plastic behaviour; rheological improver; skin compatibility; 127
Stratum corneum: sodium lauryl sulphate; soap chamber test; transepidermal water loss; surfactant; irritant dermatitis; 53
Sunbed: tensile properties; ultraviolet-A; ageing; elasticity; 251
Sunscreen: surfactant; *in vitro* skin permeation; nitrosamine; risk assessment; 307
Sunscreen: ultraviolet; Chinese herbs; 175
Sunscreens: marine science; Great Barrier Reef; coral; ultraviolet; 41
Sunscreens: microfine oxides; EPR spectroscopy; photo-oxidation; uric acid; 1
Sunscreens: water resistance; human epidermis; *in vivo* and *in vitro* assay; 235
Surfactant: *in vitro* skin permeation; nitrosamine; risk assessment; sunscreen:; 307
Surfactant: irritant dermatitis; stratum corneum; sodium lauryl sulphate; soap chamber test; transepidermal water loss; 53
Synchrotron radiation: hair; infrared microspectroscopy; 381

Tannins: elastin; human leukocyte elastase; plant complex; porcine pancreatic elastase; refirming effect; 223
Tensile properties: ultraviolet-A; ageing; elasticity; sunbed; 251
Tensile strength: evaluation; hair care; hydration; measurement; 241
Tissue inhibitor of metalloproteinase-1: wheat ceramides; all-*trans* retinoic fluids; collagenase; fibroblasts; 343
Tolerance: resistance; preservative; biocide; 31
Transepidermal water loss: surfactant; irritant dermatitis; stratum corneum; sodium lauryl sulphate; soap chamber test; 53
Triterpenic derivatives: controlled release; multiple emulsion; percutaneous absorption; stability; 183

Ultrastructural features: chemical peel; photodamaged skin; 269
Ultraviolet: Chinese herbs; sunscreen; 175
Ultraviolet: sunscreens; marine science; Great Barrier Reef; coral; 41
Ultraviolet-A: ageing; elasticity; sunbed; tensile properties; 251
Uric acid: sunscreens; microfine oxides; EPR spectroscopy; photo-oxidation; 1
UV-A: yeast polysaccharide; CM-glucan; skin protection; 79
UVB damage: vitamin E saving-regeneration; ESR studies; photo-oxidation; polyunsaturated fatty acids; procyanidins; 203
UVB erythema: antioxidant activity; human skin; radical scavengers; red orange extract; 331
UV-filters: solubilization; experimental designs; graphical methods; 19

Vapour pressures: detergents; fragrances; liquid crystals; solubility parameters; 355
Vitamin C: collagen cross-linking; lattice; normal human fibroblasts; 151
Vitamin E saving-regeneration: ESR studies; photo-oxidation; polyunsaturated fatty acids; procyanidins; UVB damage; 203

Water resistance: human epidermis; *in vivo* and *in vitro* assay; sunscreens; 235
Wheat ceramides: all-*trans* retinoic fluids; collagenase; fibroblasts; tissue inhibitor of metalloproteinase-1; 343
W/O/W multiple emulsion: caffeine; microscopy; percutaneous absorption; rheology; 283
Wrinkle: ceramide; lamellar; liquid crystal; 87

Yeast polysaccharide: CM-glucan; skin protection; UV-A; 79